

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A method of providing information relating to a telecommunication call, in a telecommunication network, to a data storage system, the method comprising:

receiving caller identity information at an exchange of the network during a call set-up procedure between a calling device and the exchange, and storing the information at least temporarily at the exchange;

sending an incoming call alert message to a called device; and

61 prior to receiving a call answer message at the exchange, or in direct response to receipt of a call answer message, outputting from the exchange to said data storage system a Call Data Record containing at least the received and stored caller identity information.

2. (Original) A method according to claim 1, wherein the telecommunication network comprises a cellular radio telephone network and the call is made from a cellular radio telephone device.

3. (Original) A method according to claim 2, wherein the cellular radio telephone network is a GSM network and said exchange from which the Call Data Record is output is a Mobile Switching Center, the method comprising

outputting from the Mobile Switching Center at least one of the subscriber telephone number, IMEI code, or IMSI code.

4. (Original) A method according to claim 1, wherein the telecommunication network comprises a fixed access network in which telephone device is coupled to the exchange via land lines, the method comprising outputting from the exchange at least the caller's telephone number (A-number).

5. (Previously Presented) A method according to claim 1 and comprising outputting said call data record to an external billing system.

6. (Currently Amended) Apparatus for providing information relating to a telecommunication call, in a telecommunication network, to a data storage system $[(10)]$, the apparatus comprising:

first receiving means $[(8)]$ for receiving caller identity information at an exchange $[(1)]$ of the network during a call set-up procedure between a calling device $[(4)]$ and the exchange $[(1)]$, and for storing the information at least temporarily at the exchange $[(1)]$;

61 transmitting means $[(9)]$ for transmitting an incoming call alert message to a called device $[(5)]$;

second receiving means $[(9)]$ for receiving, in the event that the called device $[(5)]$ answers or otherwise accepts the incoming call alert, a call answer message sent to the exchange $[(1)]$; and

output means $[(11)]$ for outputting, prior to or in response to receipt of said call answer message, from the exchange $[(1)]$ to said data storage system $[(10)]$, a Call Data Record containing at least the received and stored caller identity information.

7. (Currently Amended) Apparatus according to claim 6, wherein said first and second receiving means $[(8,9)]$, said transmitting means $[(9)]$, and said output means $[(11)]$ are provided as an integral part of the network exchange $[(1)]$, and said data storage system (10) is physically separate from the exchange $[(1)]$.

8. (Currently Amended) Apparatus according to claim 6, the network comprising a cellular radio telephone network and said exchange $[(1)]$ being a Mobile Switching Centre (MSC) of the cellular network.

9. (Currently Amended) A telecommunication network having a plurality of interconnected exchanges for routing calls in the network, and a billing system coupled to each of said exchanges, each exchange comprising:

first receiving means [(8)] for receiving caller identity information during a call set-up procedure between a calling device [(4)] and the exchange [(1)], and for storing the information at least temporarily at the exchange [(1)];

61 transmitting means [(9)] for transmitting an incoming call alert message to a called device [(5)] or to a called device [(5)] via one or more further exchanges [(1)];

second receiving means [(9)] for receiving, in the event that the called device [(5)] answers or otherwise accepts the incoming call alert, a call answer message sent to the exchange [(1)]; and

output means [(11)] for outputting, prior to or in response to receipt of said call answer message, from the exchange [(1)] to a data storage system (10), a Call Data Record containing at least the received and stored caller identity information.
